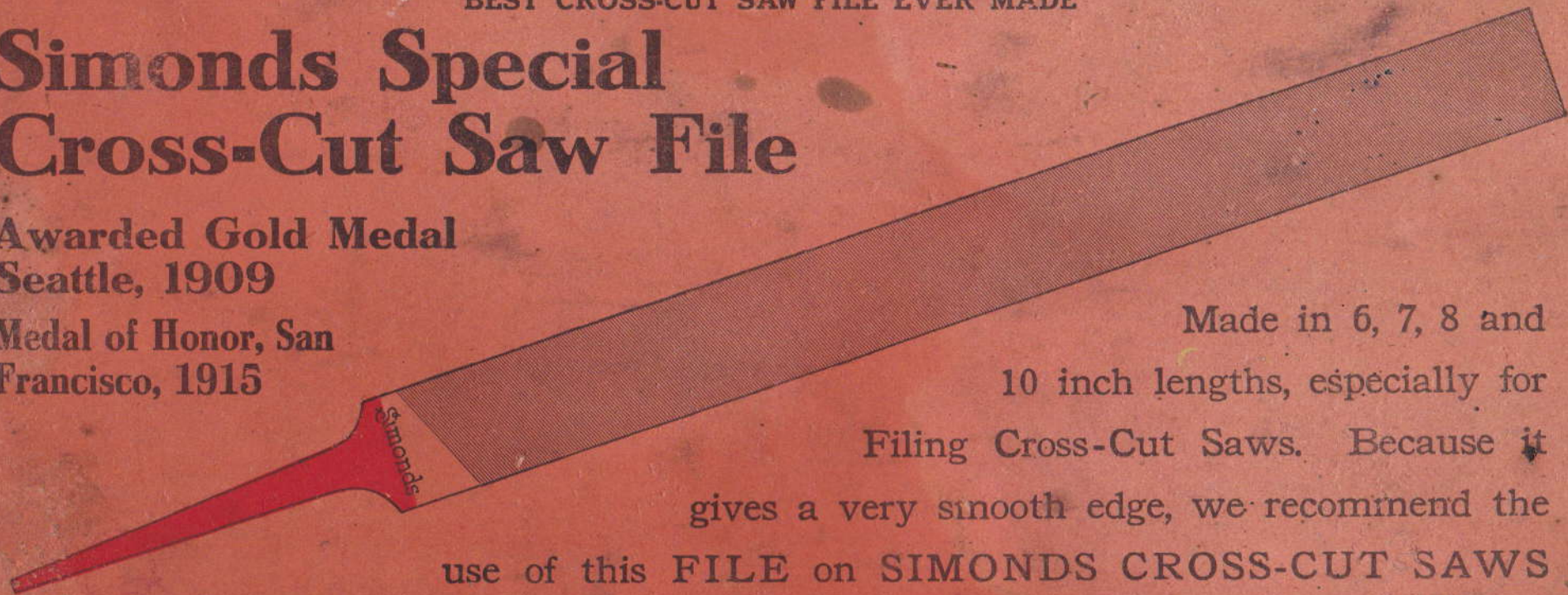


BEST CROSS-CUT SAW FILE EVER MADE

Simonds Special Cross-Cut Saw File

Awarded Gold Medal
Seattle, 1909

Medal of Honor, San
Francisco, 1915



Made in 6, 7, 8 and
10 inch lengths, especially for
Filing Cross-Cut Saws. Because it

gives a very smooth edge, we recommend the
use of this FILE on SIMONDS CROSS-CUT SAWS

Suggestions for Filing Cross-Cut Saws

There are a few essential points regarding fitting and filing that must be remembered if you are to get the best results from Simonds Crescent Ground Cross-Cut Saws.

There are two kinds of teeth. One set for cutting and the other cleaning or raker teeth. The cutting teeth are filed so one tooth makes a cut from the right and the next from the left. The raker teeth act like chisels and rake the chips and sawdust into the hollow or gullets between the cutting and raker teeth and carry them out of the cut.

The cutting teeth must be kept absolutely of uniform length, continuing the same bevel that was given the teeth at the factory. Do not overfile but see that each tooth is filed carefully up to a sharp point. The raker teeth should be at least $1/64$ of an inch lower

than the cutting teeth. They must be uniform in height also. The raker teeth must be square across.

You cannot joint (or even up) the teeth properly with a straight file—it must be bent to the circle of the saw—the use of the proper tool, Simonds No. 342 Saw Tool, assures the correct file position.

Very little set is needed in the Simonds Crescent Ground Saws and that needed should be put in with the proper tools. Use a setting block and hammer rather than lever saw sets. Simonds Cross-Cut Saw Tool No. 342 is one of the most satisfactory tools on the market for jointing, filing, and setting Cross-Cut Saws. Full directions for its use are enclosed with every set. This tool, together with Simonds Setting and Peening Hammer No. 346, should be in every sawyer's kit.

Simonds Improved Crescent Saw Tool No. 342

Patented April 10th, 1917.



For Use in Fitting Cross-Cut and One-Man Saws
Positively the Best Cross-Cut Saw Tools Ever Invented

Hard Steel Plate Prevents Teeth Cutting into Tool

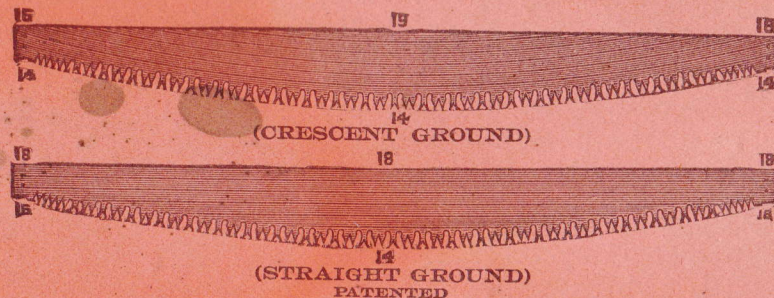
Advantages of the Simonds Crescent Saw Tool

Quick, accurate, and rigid adjustment of Raker Gauge. No chance to dislocate slide when once set in position — *a feature not to be found in any other saw tool on the market.*

Easy and rigid adjustment of jointing file. File is held square with the body of the saw.

Depth of raker tooth can be varied from 1-16th of an inch to 1-1000th of an inch, the slide being held firmly in all positions.

All parts of this tool are interchangeable. In case of breakage or loss, parts may be obtained from our agents, branch houses or factories.



Cross-Cut Saws have heretofore been ground in a straight line from end to end, as shown by broken lines in cut marked STRAIGHT GROUND. As a result, a saw made 14 gauge thick at the center of the edge of the saw, and beveled to 18 gauge at the back, will be 16 gauge thick at the edge, near the end of the saw; or in other words, *the teeth vary two gauges in thickness on the edge of the saw, as shown in diagram.*

The improvement consists in grinding the saw in crescent lines parallel or substantially parallel to the cutting edge as shown in cut marked CRESCENT GROUND, in which case *the edge or teeth are of even thickness*, while the inequality is thrown into the back, and, the thickness of the saw remaining the same across its center as when ground the old way *the ends are increased two gauges in thickness.* As a result the

SIMONDS CRESCENT-GROUND CROSS-CUT SAWS

have the following advantages: 1st—The saw does not bind in the kerf as others, in consequence of being of even thickness throughout the cutting edge. 2d—It requires less set, for each tooth does an equal amount of work, and has equal thickness or strength to hold the set required for clearance. 3d—It will hold its set longer, as the wedge strain is taken away from the sides of the teeth. 4th—Being two gauges heavier, and consequently stiffer, at the ends, the operators can push as well as pull without causing a curvature—therefore it does not vibrate, and cuts a smoother and narrower kerf. 5th—It requires less power to run it, for the reason that it cuts a narrower kerf and less timber, and also making an even in place of a varying kerf, it does not cut and recut at each passage of the saw, as is the case with others. 6th—It will not kink as easily as saws ground by the old method as the taper from edge to back, being at right angles to a tangent of the cutting edge, serves as a brace to the saw.

By actual experiments in the Northwestern pineries, the CRESCENT-GROUND Saws cut from ten to fifteen per cent more timber than the straight ground, and with much less labor, and in felling trees were found especially advantageous.

This saw requires very little set—scarcely any in frozen timber.

IMPORTANT SUGGESTION.—Be sure and keep the rakers 1-64 or more smaller than the cutting teeth, as several eighths of the trouble arising from claims of defective saws can be traced to this oversight.

Simonds Crescent Ground Cross-Cut Saws

Made in but one quality, **THE BEST.**

The numbers stamped on the end of the saws are simply for factory records.

Simonds Crescent Ground Cross-Cut Saws

RECOGNITION OF MERIT
AT
WORLD'S GREATEST EXPOSITIONS

Universal International Exposition
PARIS, 1900

HIGHEST AWARD
Grand Prix and Gold Medal

Alaska-Yukon-Pacific Exposition
SEATTLE, 1909

HIGHEST AWARD
Grand Prize

Panama-Pacific-International
Exposition
SAN FRANCISCO, 1915

HIGHEST AWARD
Gold Medal

...GUARANTEE...

WHAT THIS GUARANTEE COVERS

Every Simonds Crescent Ground Saw is guaranteed.

Every Simonds Crescent Ground Saw is tested and inspected against visible flaws in workmanship and material.

We guarantee both the steel and the workmanship of every Simonds Crescent Ground Cross-Cut Saw.

Any Simonds Crescent Ground Cross-Cut Saw that is found defective in any particular will be promptly and cheerfully replaced.

WHAT IT DOES NOT COVER

Simonds Crescent Ground Cross-Cut Saws are not guaranteed against improper use or mistreatment.

A Simonds Crescent Ground Cross-Cut Saw that is worn down more than $\frac{1}{4}$ inch is not subject to replacement under the terms of this guarantee.

Sometimes a wedge is driven against the saw, thus starting a crack which spreads in use, finally resulting in a piece breaking out of the back. Saws broken in this manner are not covered by our guarantee.

Simonds Crescent Ground Cross-Cut Saws broken in two by accident are not subject to replacement.

SIMONDS SAW AND STEEL COMPANY

FITCHBURG, MASS.

ESTABLISHED 1832

CHICAGO, ILL.